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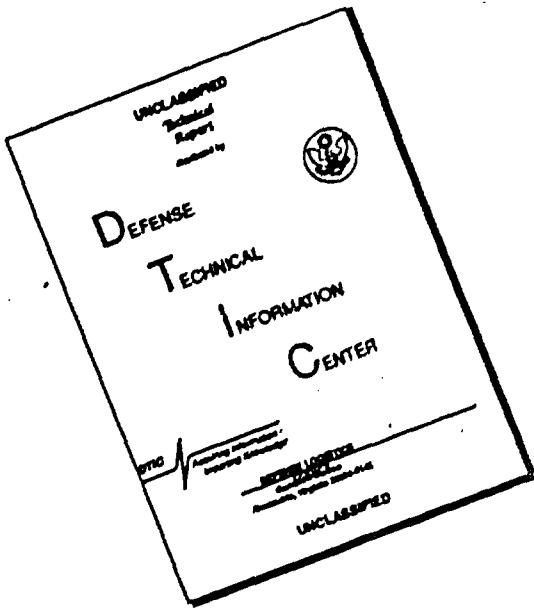
SCIENTIFIC AND TECHNICAL INFORMATION

CAMERON STATION, ALEXANDRIA, VIRGINIA



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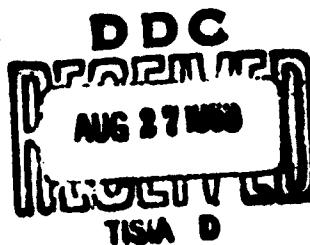
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BOEING



Seattle, Washington

THE BOEING COMPANY

NUMBER D2-10889-2, Vol. 53 1836

UNCLASSIFIED TITLE ACCEPTANCE SUMMARY REPORT FOR PTM 43 EQUIPMENT
COVERED BY THE FOLLOWING MODEL SPECS: S-133-1000-1-4, S-133-1000-1-5,
S-133-1000-1-16, S-133-1000-1-17, S-133-1000-1-18, S-133-1000-1-19,
S-133-1000-1-20

MODEL NO. WS 133A CONTRACT NO. AFOS (647)-289

ISSUE NO. ISSUED TO

CLASSIFIED TITLE None
(STATE CLASSIFICATION)

CHARGE NUMBER

SPECIAL LIMITATIONS ON ASIA DISTRIBUTION
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UNCLASSIFIED to all agencies of the Department of Defense and the Contractors
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PREPARED BY

Gal J. Leahy 7/24/63

SUPERVISED BY

Jeffrey P. Leahy 7/24/63

APPROVED BY

Deputy Director 7/24/63

CLASS & DISTR
APPROVED BY

NIR

RELIABILITY
APPROVAL

NIR

VOL. 20
SEC. 1

NO D2-10889-2
PAGE 1 OF 20

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CERTIFICATION FORMS

REVISED

1-0200-000

BOEING 22 02-10899-2
Sec 1 Part 3

CERTIFICATION OF EQUIPMENT COMPLETION

The undersigned, being Chairman of the AFBSD, WS-133A Acceptance Team, certifies the following:

1. The equipment described below is complete to the extent indicated in D2-10889-2, Volume 53.
2. The equipment is suitable for shipment to the location described below, under the jurisdiction of the Boeing Company for future test and/or work as required to satisfy the contract specified below.

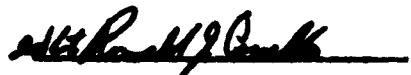
Equipment Part No.  Equipment Serial No. M436

Equipment Nomenclature 

Destination BATC Contract Affected AP04(647)-289

T/S Authorization Voucher No. 

 Equipment part numbers, nomenclature and T/S Authorization Voucher Numbers are defined in D2-10889-2, Volume 53, Pages 7 thru 15.


AFBSD ACCEPTANCE TEAM
CHAIRMAN


DATE

THE BOEING COMPANY AND
SPACE TECHNOLOGY LABORATORIES
TECHNICAL CERTIFICATION

The undersigned have reviewed the Engineering data on the equipment listed on pages 7 thru 15 and certify the following:

1. The equipment is technically adequate to perform its intended functions.
2. The equipment meets all of the specifications and requirements of the Model Specifications described below with the exception of the waivers and deviations as noted.

MODEL SPEC WITH R&D APPENDIX	DATE	APPROVED SCNS	WAIVERS & DEVIATIONS D2-10889-2, Vol. 53
*S-133-1000-1-4	5-1-62	None	Page 17
*S-133-1000-1-5	5-1-62	None	Page 18
S-133-1000-1-16	8-1-62	None	Page 19
S-133-1000-1-17	8-1-62	SCN 1	Page 20
S-133-1000-1-18	8-1-62	SCN 1	Page 21
S-133-1000-1-19	8-1-62	SCN 1	Page 22
S-133-1000-1-20	8-24-62	SCN 1	Page 23

*The equipment covered by these Model Specs is shipped directly from the vendor to BTI.


Engineering Representative
for The Boeing Company

NOT REPRESENTED

Representative for
Space Technology Laboratories

AIR FORCE QUALITY CONTROL AND THE BOEING COMPANY QUALITY CONTROL
CERTIFICATION OF EQUIPMENT READY FOR ACCEPTANCE TEST

Equipment

Serial No.

Nomenclature



FM 436



The undersigned has reviewed the equipment and its associated records:

1. Visual and physical inspection of equipment

- A. Finish satisfactory Yes No
- B. Workmanship satisfactory Yes No
- C. Freedom from damage Yes No
- D. Installation Complete Except as Noted on Contractor's Shortage and/or Incomplete List Yes No
- E. Authorization for Shortage or Incompletes Noted in Item "D" has been received. Yes No

2. Specification and Drawing Status

- A. All applicable Specs have been complied with except as noted on Contractor's request for waiver or deviation list. Yes No
- B. All document and specs have been approved by FPM, or waivers obtained Yes No
- C. B&C Acceptance Tags (BAC Form 5124) have been properly validated and affixed to the equipment. Yes No

Signature Joe S. Peha 7/31/63

Name (Print) Joe S. Peha

Boeing Company
Quality Control Representative

Seattle, Washington

Equipment part numbers and nomenclature are defined in 72-10829-2, Volume 23.
Page 7 through 15.

Signature Franklin 7/31/63

Name (Print) Franklin

Air Force Quality Control
Air Force Plant Representative
Office

Boeing Company
Seattle, Washington

REVISED _____

00 000 000

SEARCHED	VOL 23	NO 02-10829-2
INDEXED	SEC 1	INDEX 6

EQUIPMENT
IDENTIFICATION

REV 560
US 6000 2000

~~00000000~~ | VOL. 53 | NO D2-10870-2
| sec. 1 | mes. 7 | →

EQUIPMENT IDENTIFICATION

FTM SERIAL NO. FTM 436

MODEL SPECIFICATION S-133-1000-1-4 (D2-12293)

TTS AUTHORIZATION VOUCHER NO. ►

MANUFACTURER

2

PART NUMBER

7025-6 Universal
Match Company
Number 10-40436
(Ref.)

NOMENCLATURE

Safety and Arming Device
Guided Missile, Body
Section

► Parts shipped directly from Universal Match Company to AMR.

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~~SEARCHED~~ | VOL 53 | NO D2-10889-2
| SEC 1 | PAGE 8 | →

EQUIPMENT IDENTIFICATION

FTM SERIAL NO. FTM 436MODEL SPECIFICATION S-133-1000-1-5 (D2-12294)T/3 APPROVAL VOUCHER NO.

ITEM	PART NUMBER	NOMENCLATURE
ITEMS STAGE II-III		
1. (10-20451-5)	995-5251	Detonator Assembly
1 (10-20451-1)	0390-1718	Linear Explosive Assembly
1 (10-20451-3)	0390-1727	Linear Explosive Assembly
4 (10-20870-21)	31-115-4858-8	Explosive Assembly
1 (10-20870-18)	31-115-4951-2	Explosive Booster
2 (10-20870-30)	31-115-5969-1	Booster Assembly, Delay 1 Second
1	25-25218-15	Safe and Arm Mechanism Assembly
ITEMS STAGE I-II		
1 (10-20451-5)	995-5251	Detonator Assembly
1 (10-20451-2)	0390-1719	Linear Explosive Assembly
1 (10-20451-4)	995-4999	Linear Explosive Assembly
4 (10-20870-20)	31-115-4858-7	Explosive Assembly
1 (10-20870-18)	31-115-4951-2	Explosive Booster
2 (10-20870-26)	31-115-4850-2	Booster Assembly, Delay 20 Seconds
1	25-25218-16	Safe and Arm Mechanism Assembly

► These parts are shipped directly from Universal Match Company to AMM.

REVISED
08 0000 2000SERIAL NO. VOL 53 NO D2-10-19-2 →
SERIAL NO. SEC 1 PAGE 9

EQUIPMENT IDENTIFICATION

PTM SERIAL NO. PTM 436

MODEL SPECIFICATION S-133-1000-1-16 (D2-14267)

QUANTITY **PART NUMBER** **NOMENCLATURE**

1 25-33938-91 Skirt Assembly-Insulated
Stage I Section 49

► Included as part of T/S Authorization Voucher No. **6412163** on the completed missile Section.

REVIEWED _____

~~SECRET~~ | VOL 23 | NO 02-10009-2 
| SEC. I | PAGE 10

EQUIPMENT IDENTIFICATION

FTM SERIAL NO. FTM 436

MODEL SPECIFICATION 5-133-1000-17 (02-14268)

T/S AUTHORIZATION VOUCHER NO.

QUANTITY PART NUMBER NOMENCLATURE

1 25-31011-19 Interstage Assembly
Insulated, Interstage
I-II Section 47

Included as part of T/S Authorization Voucher No. **EV12462** on the completed Missile Section.

REVISED

SEARCHED | VOL 53 | NO 12-10889-2 →
SERIALIZED | SEC 1 | PAGE 11

EQUIPMENT IDENTIFICATION

ITEM SERIAL NO. PTM 436

MODEL IDENTIFICATION S-133-1000-1-18 (02-14269)

T/S AUTHORIZATION VOUCHER NO. ►

<u>QUANTITY</u>	<u>ART. NUMBER</u>	<u>NONENCLATURE</u>
1	<u>25-23207-34</u>	Interstage Assembly Insulated, Interstage II-III, Section 45

► Included as part of T/S Authorization Voucher No. EV12161 on the completed Missile Section.

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00000000 | VOL 23 | NO 02-10889-2
| SEC 1 | PAGE 12 | →

EQUIPMENT IDENTIFICATION

ITEM SERIAL NO. FM 436

MODEL SPECIFICATION 3-133-1000-1-19 (D2-14323)

T/S AUTHORIZATION VOUCHER NO. ►

<u>QUANTITY</u>	<u>PART NUMBER</u>	<u>NOMENCLATURE</u>
1	25-36644-2	Base Heat Deflector Assy. 1st Stage
1	25-36645-5	Base Heat Deflector Assy. 2nd Stage
1	25-36646-2	Base Heat Deflector Assy. 3rd Stage

► Parts will be shipped as completed.

REVISION

US GOVERNMENT

~~REVISION~~ | VOL 53 | NO D2-14323-2
| SEC. 1 | SEC. 13 | →

EQUIPMENT IDENTIFICATION

FTM SERIAL NO. FTM 436

MODULE SPECIFICATION S-133-1000-1-20 (02-14319)

T/S AUTHORIZATION VOUCHER NO. 

QUANTITY	PART NUMBER	NOMENCLATURE
1	25-25874-197	Cover, Assy. of
2	25-25874-169	Cover, Assy. of
1	25-25874-196	Cover, Assy. of
1	25-25874-173	Cover R/W Stage I Engine
2	25-25874-174	Cover R/W Stage I Engine
1	25-25874-166	Cover, Assy. of
1	25-25874-171	Cover, Assy. of
1	25-25874-194	Cover, Assy. of
1	25-25991-4	Cap, Assy. of
1	25-25992-7	Cap, Assy. of
1	25-26070-12	Cap, Assy. of
1	25-26051-17	Cap, Assy. of
1	25-27129-17	Cap, Assy. of
1	25-30100-56	Cover R/W 1-2 Interstage (Aft.)
1	25-30101-133	Cover Nozzley Stage II
1	25-30101-522	Cover Nozzley Stage II
1	25-30102-902	Cover Nozzley 2-3 Interstage (Aft.)
1	25-30103-61	Cover Nozzley Stage III
1	25-31026-14	Cap Nozzley Stage III
1	25-32767-8	Beam & Cover 2-3 Interstage (Fwd)
1	25-32768-8	Beam & Cover 1-2 Interstage (Fwd)
1	25-328416-36	Cover R/W Stage 1 Engine
1	25-31463-10	Cap, Nozzley-Cyl. Skirt
1	25-31463-11	Cap, Nozzley-Cyl. Skirt

- Parts will be shipped as completed.

REVISED _____

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SHOT PG 3

SEPARATE SHIPMENT

1. 7025-6 (10-20436-5) AIM/DISARM mechanism. This is shipped direct from Universal Match Company to BATC.
2. Stage separation and skirt removal ordinance equipment as noted on page 9, Vol. 53 D2-10889-2. They are shipped direct from vendor to BATC.
3. Race-way caps and covers as noted on page 14, Vol. 53 D2-10889-2. They are shipped on separate T/S Authorization Voucher No. to BATC.
4. Base heat deflectors as noted on page 13, Vol. 53 D2-10889-2. To be shipped on separate T/S Authorization Voucher to BATC.

SHIP-SHORT ITEMS

None

Malina 7-31-63
System Test Engineering
Acknowledgement of
Configuration Status

100-400

100 D2-10889-2
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Sec. 1

WAIVERS AND DEVIATIONS

WAIVER FORM

NO 02-10209-2

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ENGINEERING WAIVERS

AND DEVIATIONS

This requirements for Design and Construction, Performance and Quality Assurance Provisions for the equipment identified in this report are established by the following composite:

Model Specification Safety and Arming Devices,
Guided Missile, Body Section SWU-11/A37U-12,
(S-133-1000-1-4).

BSB Minuteman Specification Control Group
Directive, dated 11 July 1962, transmitted
by BSB letter BSBAP-13-7-90/U. Humphrey,
dated 13 July 1962.

Deviation for the above requirements are not necessary for this equipment.

ENGINEERING WAIVERS

AND DEVIATIONS

The requirements for Design and Construction, Performance and Quality Assurance Provisions for the equipment identified in this report are established by the following composite:

Model Specification, Explosive Kit, Stage Separation, Missile MLU-19/A37U-12 and MLU-20/A37U-12, (S-133-1000-1-5) dated 5-1-62.

BSD Minuteman Specification Control Group Directive dated 10 July 1962 transmitted by BSD letter BSQAP-10-7-69/C. Humphrey, dated 10 July 1962.

Deviation for the above requirements are not necessary for this equipment.

ENGINEERING WAIVERS**AND DEVIATIONS**

The requirements for Design and Construction Performance and Quality Assurance Provisions for the equipment identified in this report are established by the following composite:

Model Specifications for Body Section, Guided Missile (S-133-1000-1-16), D2-14267, dated 12-14-62, approved by B&D letter BSQAP-3-5-22/C. Humphrey/8243, dated 3 May 1963.

R&D Variations in Guided Missile Body Section (S-133-1000-1-16, Addendum 1), D2-14267-1, dated 8-1-62, submitted to B&D by Boeing letter 2-6210-20-156, dated 8-22-62, and approved by B&D letter BSQAP-17-9-37/C. Humphrey/4443, dated 9-17-62.

Deviations from the above requirements are not necessary for this equipment.

ENGINEERING WAIVERS

AND DEVIATIONS

The requirements for Design and Construction, Performance and Quality Assurance Provisions for the equipment identified in this report are established by the following composite:

Model Specification for Body Section, Guided Missile (8-133-1000-1-17), D2-14268, dated 12-14-62, approved by BSD letter BSQAP-3-5-62/C. Humphrey/8243, dated 3 May 1963.

R&D Variations in Guided Missile Body Section (8-133-1000-1-17, Addendum 1), D2-14268-1, dated 8-1-62, submitted to BSD by Boeing letter 2-6210-20-158, dated 8-21-62, and approved by BSD letter BSQAP-17-9-57/C. Humphrey/4443, dated 9-17-62.

Deviations from the above requirements are not necessary for this equipment.

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ENGINEERING WAIVERS

AND DEVIATIONS

The requirements for Design and Construction, Performance and Quality Assurance Provisions for the equipment identified in this report are established by the following composite:

Model Specification for Body Section, Guided Missile (S-133-1000-1-18), D2-14269, dated 12-14-62, approved by BSD letter BSQAP-3-5-22/C. Humphrey/8243, dated 3 May 1963.

R&D Variations in Guided Missile Body Section (S-133-1000-1-18, Addendum 1), D2-14269-1, dated 8-1-62, submitted to BSD by Boeing letter 2-6210-20-160, dated 8-21-62 and approved by BSD letter BSQAP-17-9-57/C. Humphrey/4443 dated 9-17-62.

Deviations from the above requirements are not necessary for this equipment.

ENGINEERING WAIVERS

AND DEVIATIONS

The requirements for Design and Construction, Performance and Quality Assurance Provisions for the equipment identified in this report are established by the following composite:

Model Specification for Deflectors, Rocket Motor Exhaust (S-133-1000-1-19), D2-14323, dated 1 March 1963.

Addendum 1 to D2-14323 (including SCN's) R&D configurations for Deflectors, Rocket Motor Exhaust (S-133-1000-1-19), dated 1 August 1962.

Deviations from the above requirements are not necessary for this equipment.

ENGINEERING WAIVERS

AND DEVIATIONS

The requirements for Design and Construction, Performance and Quality Assurance Provisions for the equipment identified in this report are established by the following composite:

Model Specification for Conduit Support Set
Raceway, S-133-1000-1-20 (D2-14319) dated
1 March 1963.

Addendum 1 to D2-14319 (including SCN's), R&D configurations, for Conduit Support Set, Raceway (S-133-1000-1-20) dated 1 March 1963.

Deviations from the above requirements are not necessary for this equipment.

03-4871-1000